



**Figure S7:** Optimization of number of populations (K value) varying from K = 1 to 10 to determine best possible population number for 94 cultivated and wild *Cicer* accessions using the *ad hoc* procedure (A) of STRUCTURE documented by Pritchard et al. (2000) and second order statistics ( $\Delta K$ ) (B) of Evanno et al. (2005).